API Well Number: 43013509580000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER GMBU 1A-36-8-16H	
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** MONUMENT BUTTE
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME** GMBU (GRRV)
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY	**7. OPERATOR PHONE** 435 646-4825
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052	**9. OPERATOR E-MAIL** mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-22061	**11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ○ STATE ◉ FEE ○
	12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ○ STATE ◉ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ◉
	19. SLANT VERTICAL ○ DIRECTIONAL ○ HORIZONTAL ◉

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	957 FNL 256 FEL	NENE	36	8.0 S	16.0 E	S
Top of Uppermost Producing Zone	957 FNL 256 FEL	NENE	36	8.0 S	16.0 E	S
At Total Depth	160 FSL 2100 FEL	SWSE	36	8.0 S	16.0 E	S

21. COUNTY DUCHESNE	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 160	**23. NUMBER OF ACRES IN DRILLING UNIT** 640
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1320	**26. PROPOSED DEPTH** MD: 10576 TVD: 6115
27. ELEVATION - GROUND LEVEL 5336	**28. BOND NUMBER** B001834	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 43-7478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	122	1.17	15.8
PROD	7.875	5.5	0 - 6554	20.0	N-80 LT&C	9.0	Premium Lite High Strength	239	3.53	11.0
			6554 - 10576	11.6	P-110 LT&C	9.0	50/50 Poz	240	1.24	14.3
							No Used	0	0.0	0.0
PROD	7.875	4.5	0 - 6554	20.0	N-80 LT&C	9.0	Premium Lite High Strength	239	3.53	11.0
			6554 - 10576	11.6	P-110 LT&C	9.0	50/50 Poz	240	1.24	14.3
							No Used	0	0.0	0.0

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier	**TITLE** Regulatory Tech	**PHONE** 435 646-4825
SIGNATURE	**DATE** 09/14/2011	**EMAIL** mcrozier@newfield.com

API NUMBER ASSIGNED
43013509580000

APPROVAL

Permit Manager

RECEIVED: December 12, 2011

Newfield Production Company
Greater Monument Butte Unit 1A-36-8-16H
NE/NE Section 36, T8S, R16E
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface	
Green River	1,663'	
Garden Gulch member	4,229'	
TD	6,115' TVD /	10,576' MD

2. Depth to Oil, Gas, Water, or Minerals

Base of moderately saline	331'	(water)
Green River	4,229' - 6,115'	(oil)

3. Pressure Control

Section	BOP Description
Surface	No control
Production	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 2M system. A 2M BOP system will consist of 2 ram preventers (double or two singles), and a rotating head. A choke manifold rated to at least 2,000 psi will be used.

4. Casing

Description	Interval Top	Interval Bottom (TVD/MD)	Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors Burst	Collapse	Tension
Surface	0'	300'	24	J-55	STC	8.33	8.33	12	2,950	1,370	244,000
8 5/8									17.53	14.35	33.89
Production	0'	6,240'	20	N-80	LTC	8.33	9.0	--	9,190	8,830	428,000
5 1/2		6,554'							4.42	3.85	3.43
Production	6,554'	6,115'	11.6	P-110	LTC	8.33	9.0	--	10,690	7,560	279,000
4 1/2		10,576'							5.25	3.36	5.39

A tapered string of production casing will be run. A 7-7/8" hole will be drilled for the 5-1/2" casing in the vertical and curve sections of the well. A 6-1/8" hole will be drilled for the 4-1/2" casing in the lateral section of the well.

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)

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All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

All casing shall be new.
All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Surface	12 1/4	300'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	142 122	15%	15.8	1.17
Production Lead	7 7/8	4,229'	Premium Lite II w/ 3% KCl + 10% bentonite	843 239	15%	11.0	3.53
Production Tail	7 7/8	1,491'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	297 240	15%	14.3	1.24

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

A system of open hole packers will be used to isolate frac stages in the lateral. Open hole packers will be used to isolate the vertical portion of the well from the lateral. A port collar will be used to cement the vertical portion of the well.

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

Interval **Description**

Surface - 300' An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

300' - TD A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 9.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from KOP to the base of the surface casing. A compensated neutron/formation density log will be run from KOP to

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the top of the Garden Gulch formation. A cement bond log will be run from KOP to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.43 psi/ft gradient.

6,240' x 0.43 psi/ft = 2703 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

The well will be drilled vertically to a kick-off point of 5,720' .
Directional tools will then be used to build to 91.78 degrees inclination.
The hole size in the lateral will be reduced to 6-1/8". The lateral will be drilled to the bottomhole location shown on the plat.
A tapered string of production casing will be run in the well, with 5-1/2" casing in the vertical and curve portions and 4-1/2" casing in the lateral portion.
A system of open hole packers will be used to provide multi-stage frac isolation in the lateral.
A set of open hole packers will be placed at kick-off point to isolate the lateral. A port cementing collar will placed above the packers and will be used to cement the vertical portion of the well bore.

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API Well Number: 43013509580000

T8S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 1A–36–8–16H,
LOCATED AS SHOWN IN THE NE 1/4
NE 1/4 OF SECTION 36, T8S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 1A–36–8–16H,
LOCATED AS SHOWN IN THE SW 1/4
SE 1/4 OF SECTION 36, T8S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'

BAR SCALE

N

NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 07–14–11 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

CONFIDENTIAL

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

1A–36–8–16H
(Surface Location) NAD 83
LATITUDE = 40° 04' 44.39"
LONGITUDE = 110° 03' 33.36"

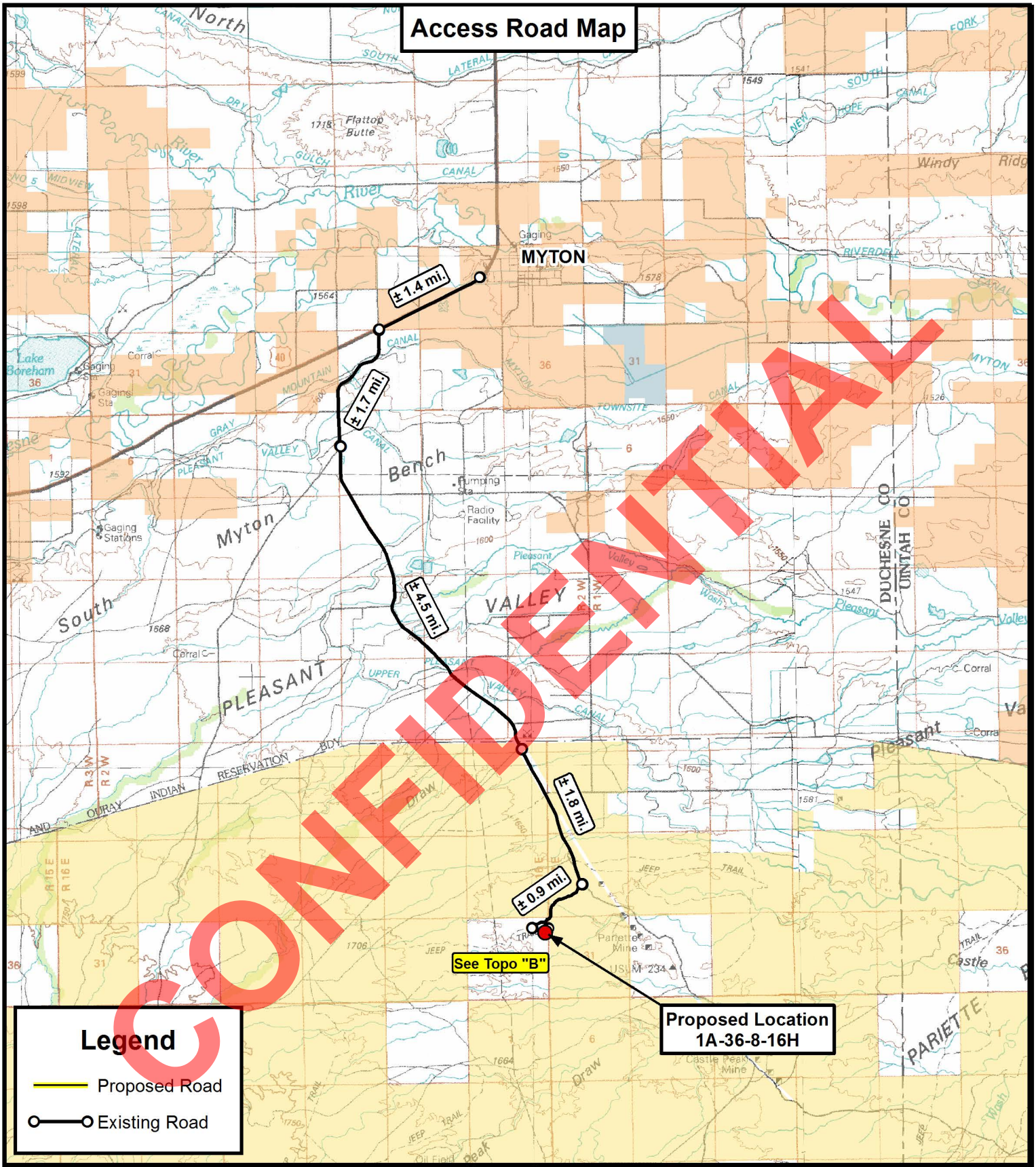
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781–2501

DATE SURVEYED: 04–18–11	SURVEYED BY: K.S.	VERSION:
DATE DRAWN: 06–15–11	DRAWN BY: F.T.M.	V2
REVISED: 07–13–11 F.T.M.	SCALE: 1" = 1000'	

RECEIVED: September 14, 2011

API Well Number: 43013509580000

Access Road Map



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

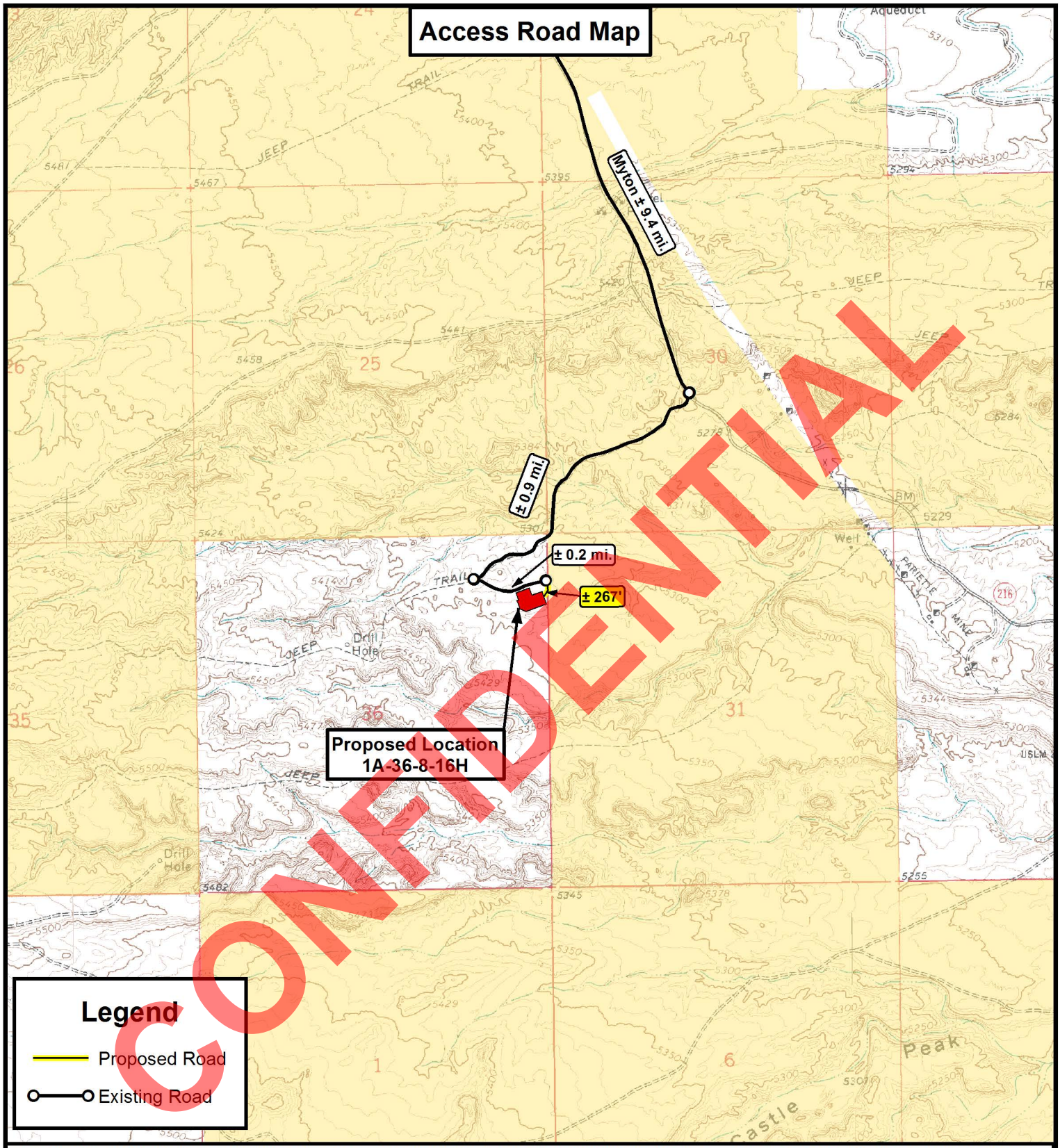
1A-36-8-16H
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	07-15-11 (DCR)	VERSION:
DATE:	06-30-2011			V2
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET
A

API Well Number: 43013509580000



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
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NEWFIELD EXPLORATION COMPANY

1A-36-8-16H
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

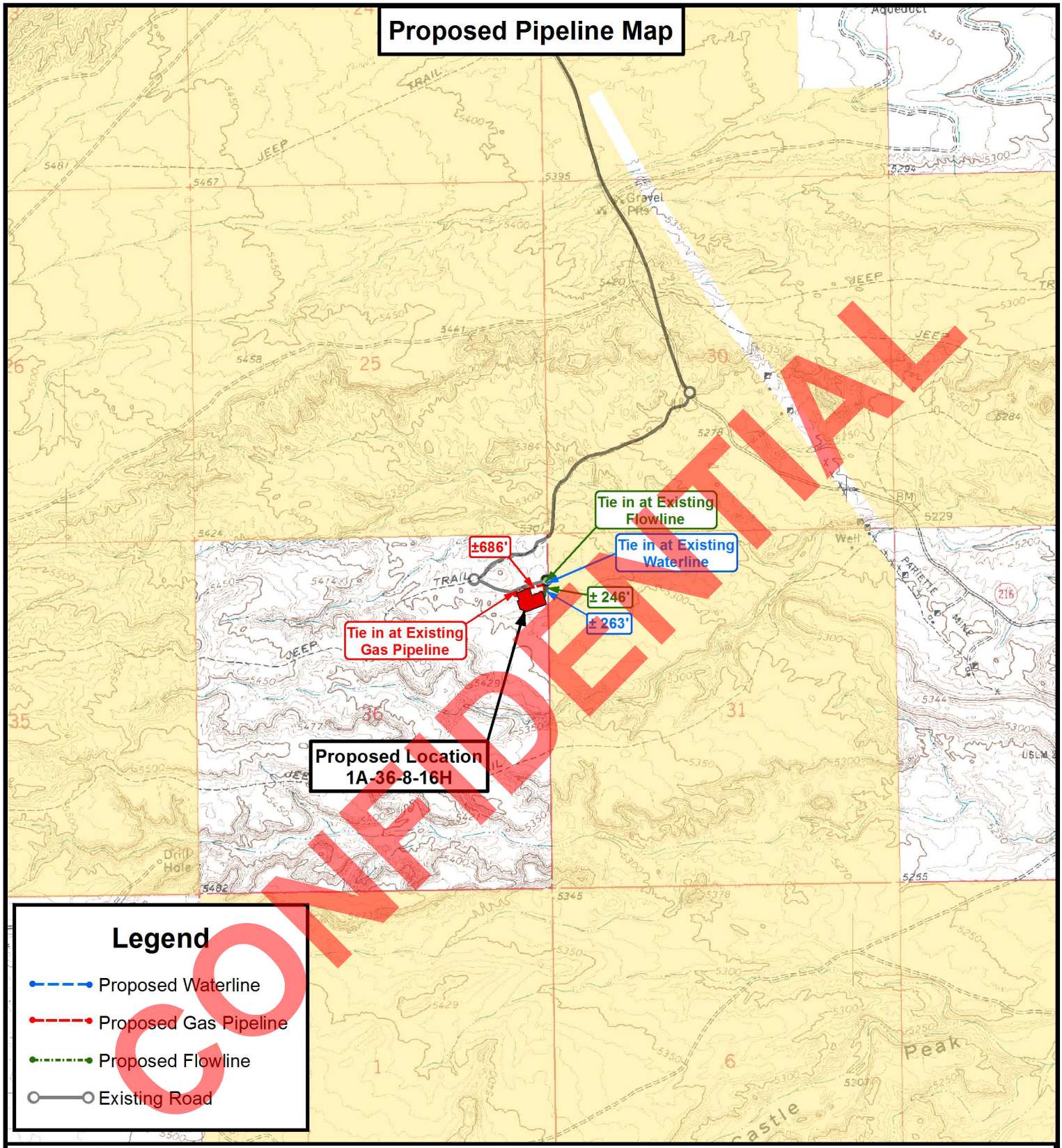
DRAWN BY:	J.A.S.	REVISED:	07-15-11 (DCR)	VERSION:
DATE:	06-30-2011			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013509580000

Proposed Pipeline Map



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N

NEWFIELD EXPLORATION COMPANY

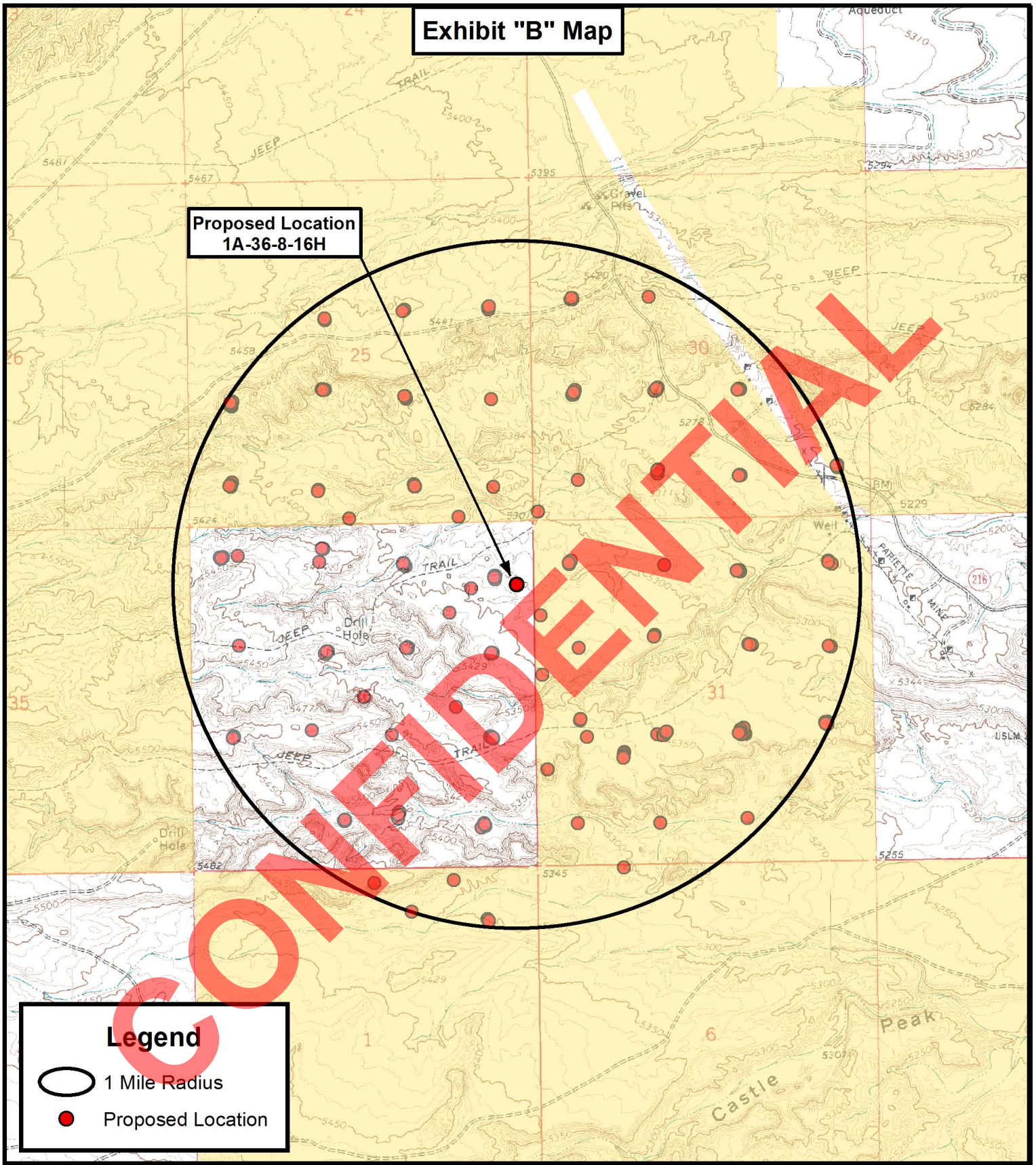
1A-36-8-16H
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED: 07-15-11 (DCR)	VERSION:
DATE:	06-30-2011		V2
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013509580000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

1A-36-8-16H
SEC. 36, T8S, R16E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED: 07-15-11 (DCR)	VERSION:
DATE:	06-30-2011		V2
SCALE:	1 " = 2,000 '		

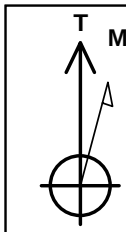
TOPOGRAPHIC MAP

SHEET D

API Well Number: 43013509580000

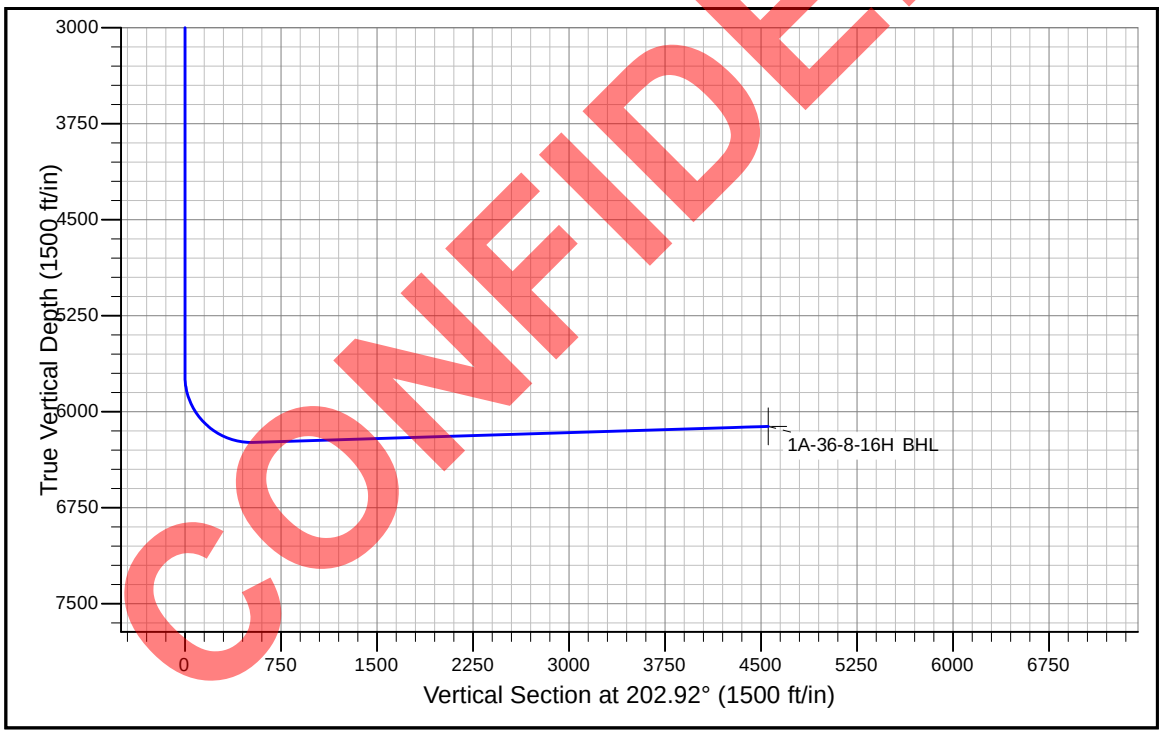
Newfield Production Company

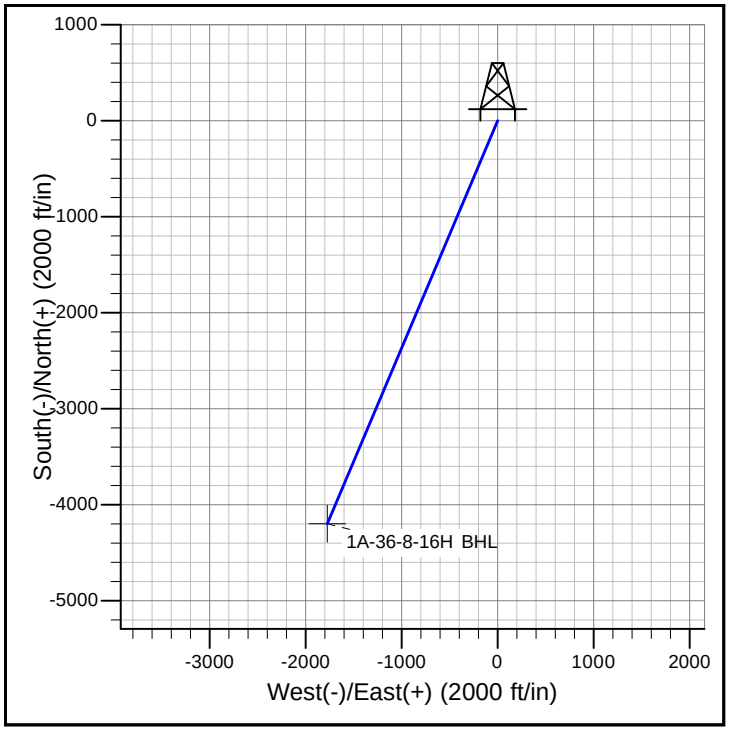
Project: Uinta Basin
Site: GMBU 1A-36-8-16H
Well: GMBU 1A-36-8-16H
Wellbore: Wellbore #1
Design: Design #1



Azimuths to True North
Magnetic North: 11.27°

Magnetic Field
Strength: 52306.8snT
Dip Angle: 65.83°
Date: 9/7/2011
Model: IGRF200510





SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5719.6	0.00	0.00	5719.6	0.0	0.0	0.00	0.00	0.0	
3	6554.1	91.78	202.92	6240.3	-494.7	-209.2	11.00	202.92	537.1	
4	10575.6	91.78	202.92	6115.0	-4196.9	-1774.6	0.00	0.00	4556.7	1A-36-8-16H BHL

PROJECT DETAILS: Uinta Basin

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

System Datum: Mean Sea Level

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API Well Number: 43013509580000

Newfield Production Company

Uinta Basin
GMBU 1A-36-8-16H
GMBU 1A-36-8-16H

Wellbore #1

Plan: Design #1

Standard Planning Report

07 September, 2011

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Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site GMBU 1A-36-8-16H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5348.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5348.0ft
Site:	GMBU 1A-36-8-16H	**North Reference:**	True
Well:	GMBU 1A-36-8-16H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project Uinta Basin

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site GMBU 1A-36-8-16H

Site Position:		**Northing:**	2,194,791.61 m	**Latitude:**	40° 4' 44.390 N
From:	Lat/Long	**Easting:**	622,871.25 m	**Longitude:**	110° 3' 33.360 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	0.000 in	**Grid Convergence:**	0.92 °

Well GMBU 1A-36-8-16H

Well Position	**+N/-S**	0.0 ft	**Northing:**	2,194,791.61 m	**Latitude:**	40° 4' 44.390 N
	+E/-W	0.0 ft	**Easting:**	622,871.25 m	**Longitude:**	110° 3' 33.360 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**		**Ground Level:**	5,336.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	9/7/2011	11.27	65.83	52,307

Design Design #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	202.92

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,719.6	0.00	0.00	5,719.6	0.0	0.0	0.00	0.00	0.00	0.00	
6,554.1	91.79	202.92	6,240.3	-494.7	-209.2	11.00	11.00	0.00	202.92	
10,575.6	91.79	202.92	6,115.0	-4,196.9	-1,774.6	0.00	0.00	0.00	0.00	1A-36-8-16H BHL

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site GMBU 1A-36-8-16H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5348.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5348.0ft
Site:	GMBU 1A-36-8-16H	**North Reference:**	True
Well:	GMBU 1A-36-8-16H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site GMBU 1A-36-8-16H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5348.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5348.0ft
Site:	GMBU 1A-36-8-16H	**North Reference:**	True
Well:	GMBU 1A-36-8-16H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,719.6	0.00	0.00	5,719.6	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	8.84	202.92	5,799.7	-5.7	-2.4	6.2	11.00	11.00	0.00
5,900.0	19.84	202.92	5,896.4	-28.5	-12.0	30.9	11.00	11.00	0.00
6,000.0	30.84	202.92	5,986.7	-67.8	-28.7	73.6	11.00	11.00	0.00
6,100.0	41.84	202.92	6,067.1	-122.3	-51.7	132.8	11.00	11.00	0.00
6,200.0	52.84	202.92	6,134.8	-189.9	-80.3	206.2	11.00	11.00	0.00
6,300.0	63.84	202.92	6,187.2	-268.2	-113.4	291.2	11.00	11.00	0.00
6,400.0	74.84	202.92	6,222.4	-354.3	-149.8	384.6	11.00	11.00	0.00
6,500.0	85.84	202.92	6,239.1	-444.9	-188.1	483.1	11.00	11.00	0.00
6,554.1	91.79	202.92	6,240.3	-494.7	-209.2	537.1	11.00	11.00	0.00
6,600.0	91.79	202.92	6,238.8	-537.0	-227.1	583.0	0.00	0.00	0.00
6,700.0	91.79	202.92	6,235.7	-629.0	-266.0	683.0	0.00	0.00	0.00
6,800.0	91.79	202.92	6,232.6	-721.1	-304.9	782.9	0.00	0.00	0.00
6,900.0	91.79	202.92	6,229.5	-813.2	-343.8	882.9	0.00	0.00	0.00
7,000.0	91.79	202.92	6,226.4	-905.2	-382.8	982.8	0.00	0.00	0.00
7,100.0	91.79	202.92	6,223.3	-997.3	-421.7	1,082.8	0.00	0.00	0.00
7,200.0	91.79	202.92	6,220.1	-1,089.3	-460.6	1,182.7	0.00	0.00	0.00
7,300.0	91.79	202.92	6,217.0	-1,181.4	-499.5	1,282.7	0.00	0.00	0.00
7,400.0	91.79	202.92	6,213.9	-1,273.5	-538.5	1,382.6	0.00	0.00	0.00
7,500.0	91.79	202.92	6,210.8	-1,365.5	-577.4	1,482.6	0.00	0.00	0.00
7,600.0	91.79	202.92	6,207.7	-1,457.6	-616.3	1,582.5	0.00	0.00	0.00
7,700.0	91.79	202.92	6,204.6	-1,549.6	-655.2	1,682.5	0.00	0.00	0.00
7,800.0	91.79	202.92	6,201.5	-1,641.7	-694.2	1,782.4	0.00	0.00	0.00
7,900.0	91.79	202.92	6,198.3	-1,733.8	-733.1	1,882.4	0.00	0.00	0.00
8,000.0	91.79	202.92	6,195.2	-1,825.8	-772.0	1,982.3	0.00	0.00	0.00
8,100.0	91.79	202.92	6,192.1	-1,917.9	-810.9	2,082.3	0.00	0.00	0.00
8,200.0	91.79	202.92	6,189.0	-2,009.9	-849.9	2,182.2	0.00	0.00	0.00
8,300.0	91.79	202.92	6,185.9	-2,102.0	-888.8	2,282.2	0.00	0.00	0.00
8,400.0	91.79	202.92	6,182.8	-2,194.1	-927.7	2,382.1	0.00	0.00	0.00
8,500.0	91.79	202.92	6,179.7	-2,286.1	-966.6	2,482.1	0.00	0.00	0.00
8,600.0	91.79	202.92	6,176.5	-2,378.2	-1,005.6	2,582.0	0.00	0.00	0.00
8,700.0	91.79	202.92	6,173.4	-2,470.3	-1,044.5	2,682.0	0.00	0.00	0.00
8,800.0	91.79	202.92	6,170.3	-2,562.3	-1,083.4	2,781.9	0.00	0.00	0.00
8,900.0	91.79	202.92	6,167.2	-2,654.4	-1,122.3	2,881.9	0.00	0.00	0.00
9,000.0	91.79	202.92	6,164.1	-2,746.4	-1,161.3	2,981.8	0.00	0.00	0.00
9,100.0	91.79	202.92	6,161.0	-2,838.5	-1,200.2	3,081.8	0.00	0.00	0.00
9,200.0	91.79	202.92	6,157.8	-2,930.6	-1,239.1	3,181.8	0.00	0.00	0.00
9,300.0	91.79	202.92	6,154.7	-3,022.6	-1,278.0	3,281.7	0.00	0.00	0.00
9,400.0	91.79	202.92	6,151.6	-3,114.7	-1,317.0	3,381.7	0.00	0.00	0.00
9,500.0	91.79	202.92	6,148.5	-3,206.7	-1,355.9	3,481.6	0.00	0.00	0.00
9,600.0	91.79	202.92	6,145.4	-3,298.8	-1,394.8	3,581.6	0.00	0.00	0.00
9,700.0	91.79	202.92	6,142.3	-3,390.9	-1,433.7	3,681.5	0.00	0.00	0.00
9,800.0	91.79	202.92	6,139.2	-3,482.9	-1,472.7	3,781.5	0.00	0.00	0.00
9,900.0	91.79	202.92	6,136.0	-3,575.0	-1,511.6	3,881.4	0.00	0.00	0.00
10,000.0	91.79	202.92	6,132.9	-3,667.0	-1,550.5	3,981.4	0.00	0.00	0.00
10,100.0	91.79	202.92	6,129.8	-3,759.1	-1,589.4	4,081.3	0.00	0.00	0.00
10,200.0	91.79	202.92	6,126.7	-3,851.2	-1,628.4	4,181.3	0.00	0.00	0.00
10,300.0	91.79	202.92	6,123.6	-3,943.2	-1,667.3	4,281.2	0.00	0.00	0.00
10,400.0	91.79	202.92	6,120.5	-4,035.3	-1,706.2	4,381.2	0.00	0.00	0.00
10,500.0	91.79	202.92	6,117.4	-4,127.3	-1,745.2	4,481.1	0.00	0.00	0.00

Newfield Exploration

Planning Report

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site GMBU 1A-36-8-16H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5348.0ft
Project:	Uinta Basin	**MD Reference:**	RKB @ 5348.0ft
Site:	GMBU 1A-36-8-16H	**North Reference:**	True
Well:	GMBU 1A-36-8-16H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,575.6	91.79	202.92	6,115.0	-4,196.9	-1,774.6	4,556.7	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
1A-36-8-16H BHL - plan hits target center - Point	0.00	0.00	6,115.0	-4,196.9	-1,774.6	2,193,503.83	622,351.03	40° 4' 2.910 N	110° 3' 56.187 W

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NEWFIELD PRODUCTION COMPANY
GMBU 1A-36-8-16H
SHL: NE/NE SECTION 36, T8S, R16E
BHL: SW/SE SECTION 36, T8S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site GMBU 1A-36-8-16H located in the NE¼ NE¼ Section 36, T8S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly – 8.0 miles to it's junction with an existing road to the southwest; proceed southwesterly – 0.9 miles ± to it's junction with an existing road to the east; proceed in an easterly direction – 0.2 miles ± to it's junction with the beginning of the proposed access road to the south; proceed in a southwesterly direction along the proposed access road – 267' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 267' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

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4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

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A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from

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the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah.

12. **OTHER ADDITIONAL INFORMATION:**

The Archaeological Resource Survey will be forthcoming. The Paleontological Resource Survey for this area is attached. Paleontological Resource Survey prepared by, Wade E. Miller, 9/6/11.

Newfield Production Company requests 267' of planned access road be granted. **Refer to Topographic Map "B".** Newfield Production Company requests 686' of surface gas line be granted. Newfield Production Company requests 263' of buried water line be granted.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 4" poly fuel gas line, a buried 10" steel water injection line, a buried 3" poly water return line, and a and a 14" surface flow line. The planned access road will consist of a 20' permanent running surface (10' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM office.

Surface Flow Line
Newfield requests 246' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. Refer to Topographic Map "C" for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

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Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

Termination and Final Reclamation: After abandonment of the associated production facilities, the flow lines will be cut and removed, and any incidental surface disturbance reclaimed. Reclamation procedures will follow those outlined in the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU 1A-36-8-16H, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 1A-36-8-16H Newfield will use, produce,

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store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name:	Tim Eaton
Address:	Newfield Production Company
	Route 3, Box 3630
	Myton, UT 84052
Telephone:	(435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #1A-36-8-16H, NE/NE Section 36, T8S, R16E, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

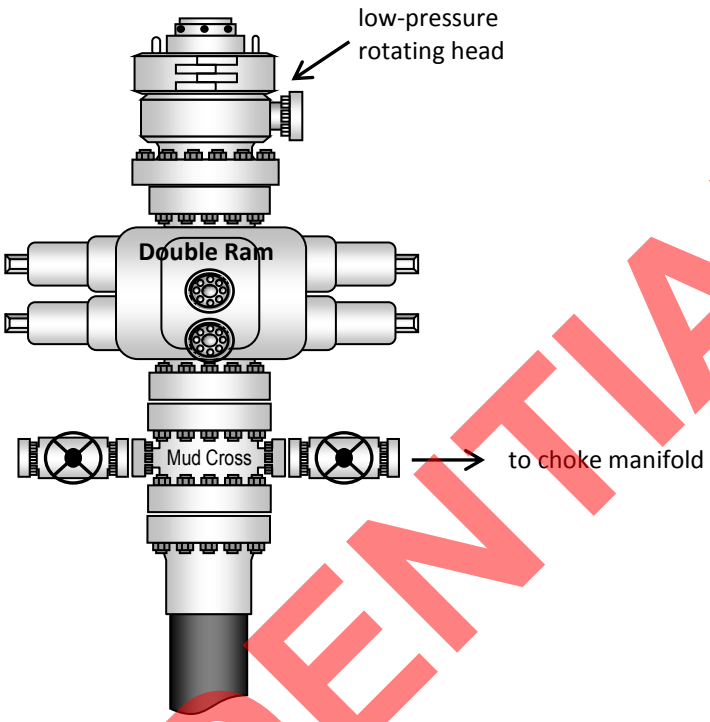
9/13/11
Date

Mandie Crozier
Digitally signed by Mandie Crozier
DN: cn=Mandie Crozier, o=Newfield Production, ou, email=mcrozier@newfield.com, c=US
Date: 2011.09.13 14:44:04 -06'00'

Mandie Crozier
Regulatory Analyst
Newfield Production Company

RECEIVED: September 14, 2011

Typical 2M BOP stack configuration



RECEIVED: September 14, 2011

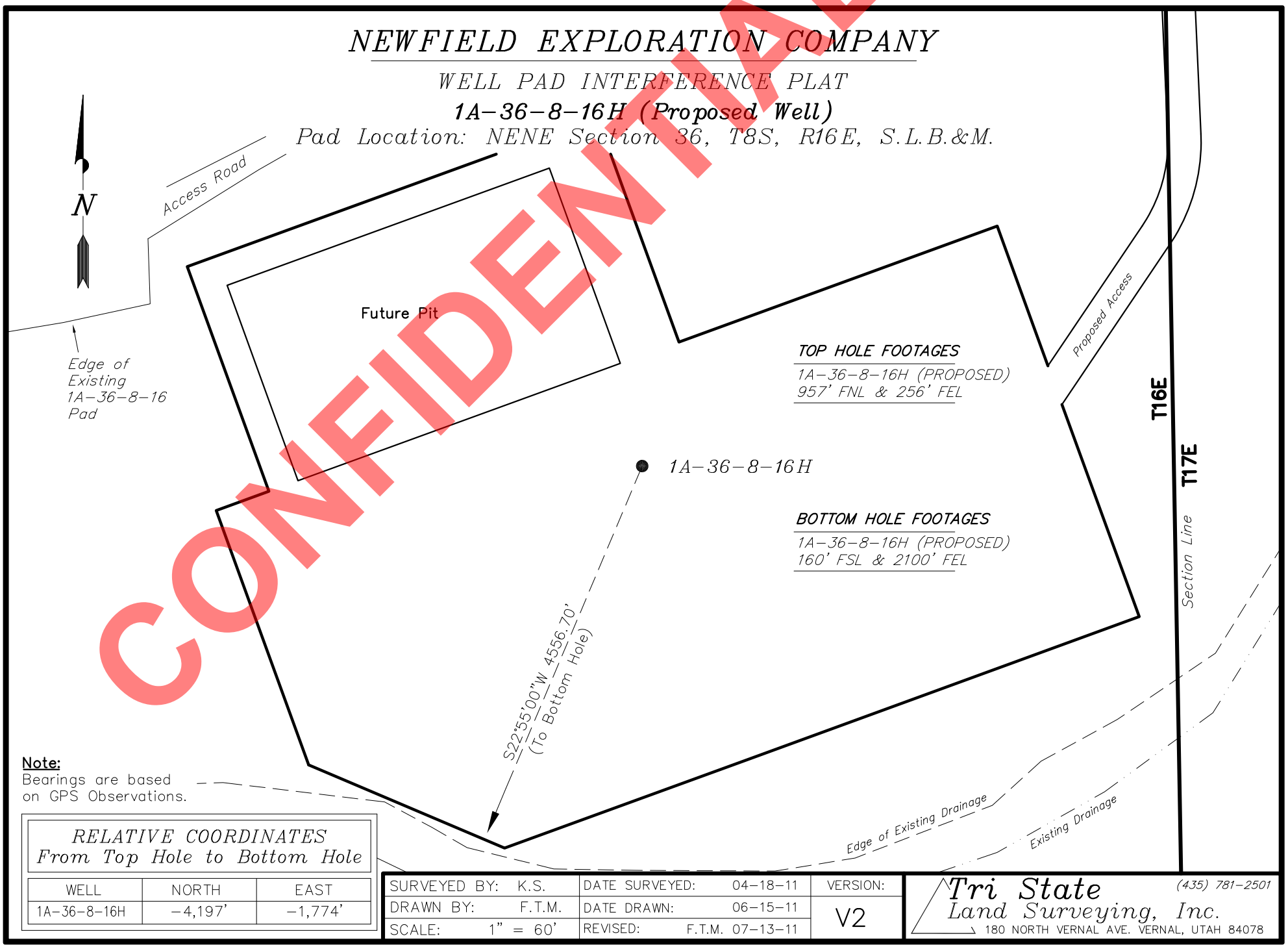
API Well Number: 43013509580000

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

1A-36-8-16H (Proposed Well)

Pad Location: NENE Section 36, T8S, R16E, S.L.B.&M.



Note:
Bearings are based on GPS Observations.

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
1A-36-8-16H	-4,197'	-1,774'

SURVEYED BY:	K.S.	DATE SURVEYED:	04-18-11	VERSION:	V2
DRAWN BY:	F.T.M.	DATE DRAWN:	06-15-11		
SCALE:	1" = 60'	REVISED:	F.T.M. 07-13-11		

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: September 14, 2011

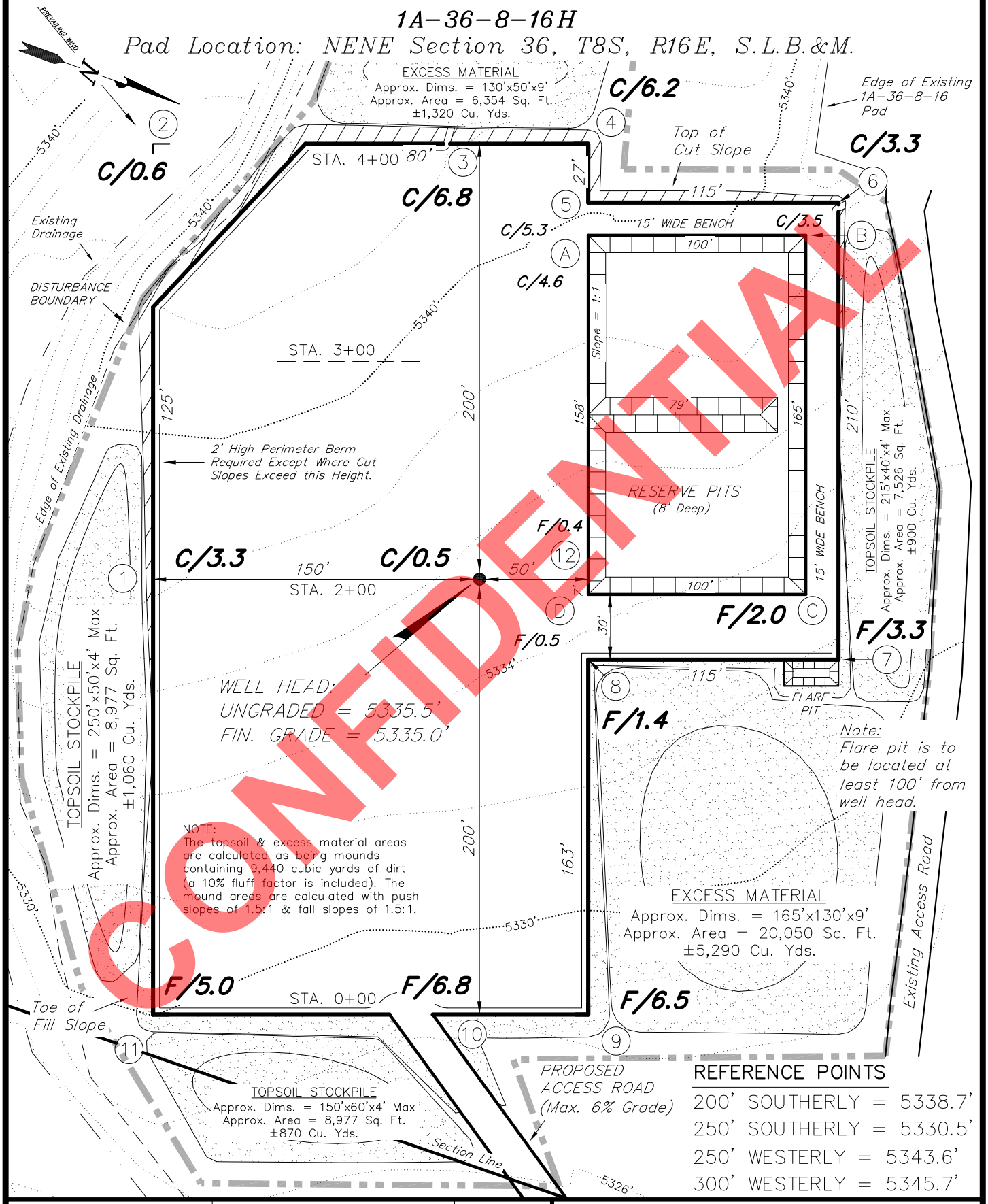
API Well Number: 43013509580000

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

1A-36-8-16H

Pad Location: NENE Section 36, T8S, R16E, S.L.B.&M.



CONFIDENTIAL

REFERENCE POINTS

200' SOUTHERLY = 5338.7'
250' SOUTHERLY = 5330.5'
250' WESTERLY = 5343.6'
300' WESTERLY = 5345.7'

SURVEYED BY: K.S.	DATE SURVEYED: 04-18-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-15-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 07-13-11		

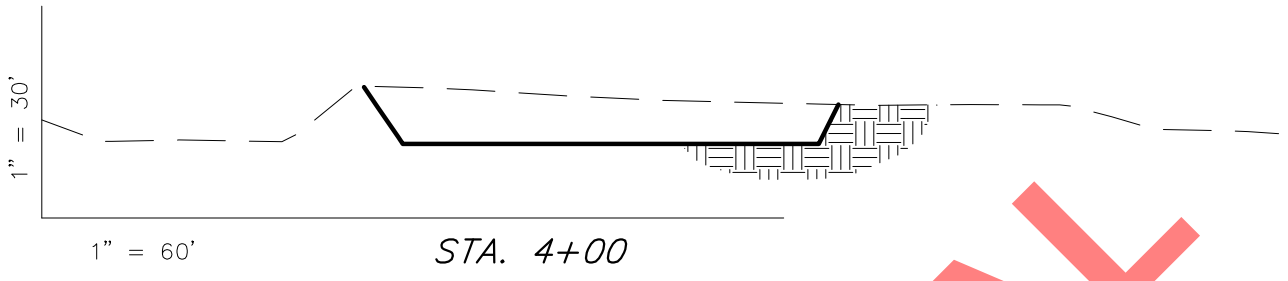
RECEIVED: September 14, 2011

NEWFIELD EXPLORATION COMPANY

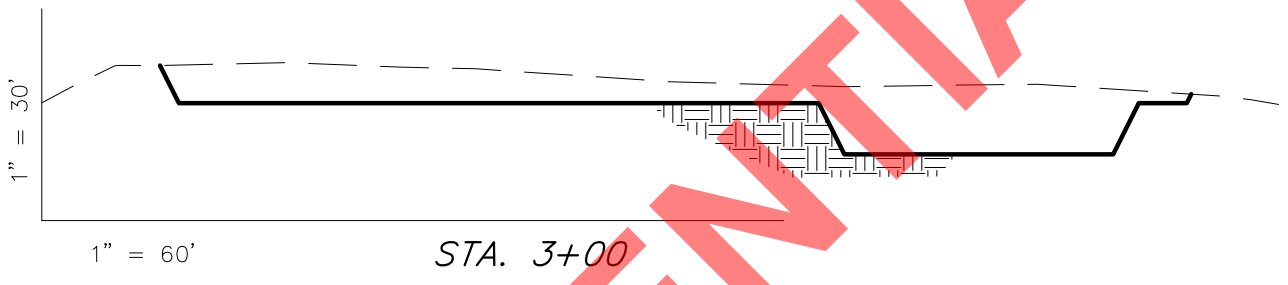
CROSS SECTIONS

1A-36-8-16H

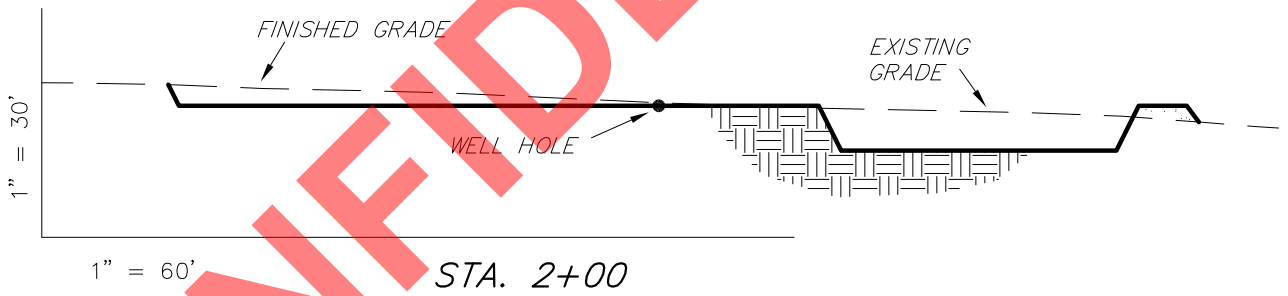
Pad Location: NENE Section 36, T8S, R16E, S.L.B.&M.



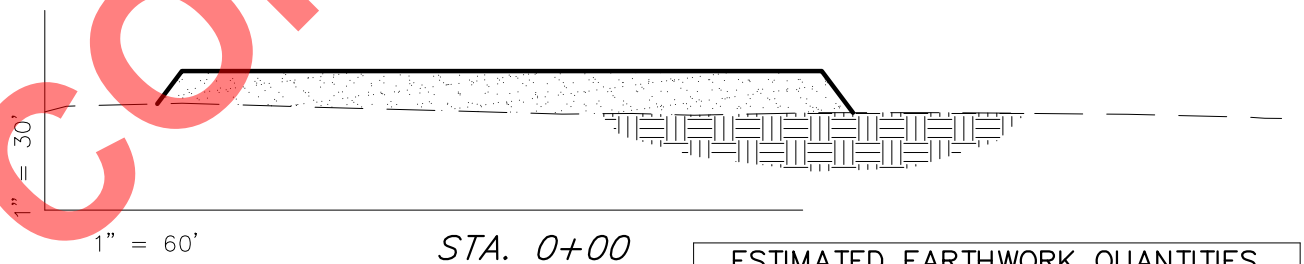
STA. 4+00



STA. 3+00



STA. 2+00



STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	7,210	5,300	Topsoil is not included in Pad Cut	1,910
PIT	4,100	0		4,100
TOTALS	11,310	5,300	2,580	6,010

NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

SURVEYED BY: K.S.	DATE SURVEYED: 04-18-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 06-16-11	V2
SCALE: 1" = 60'	REVISED: F.T.M. 07-13-11	

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: September 14, 2011

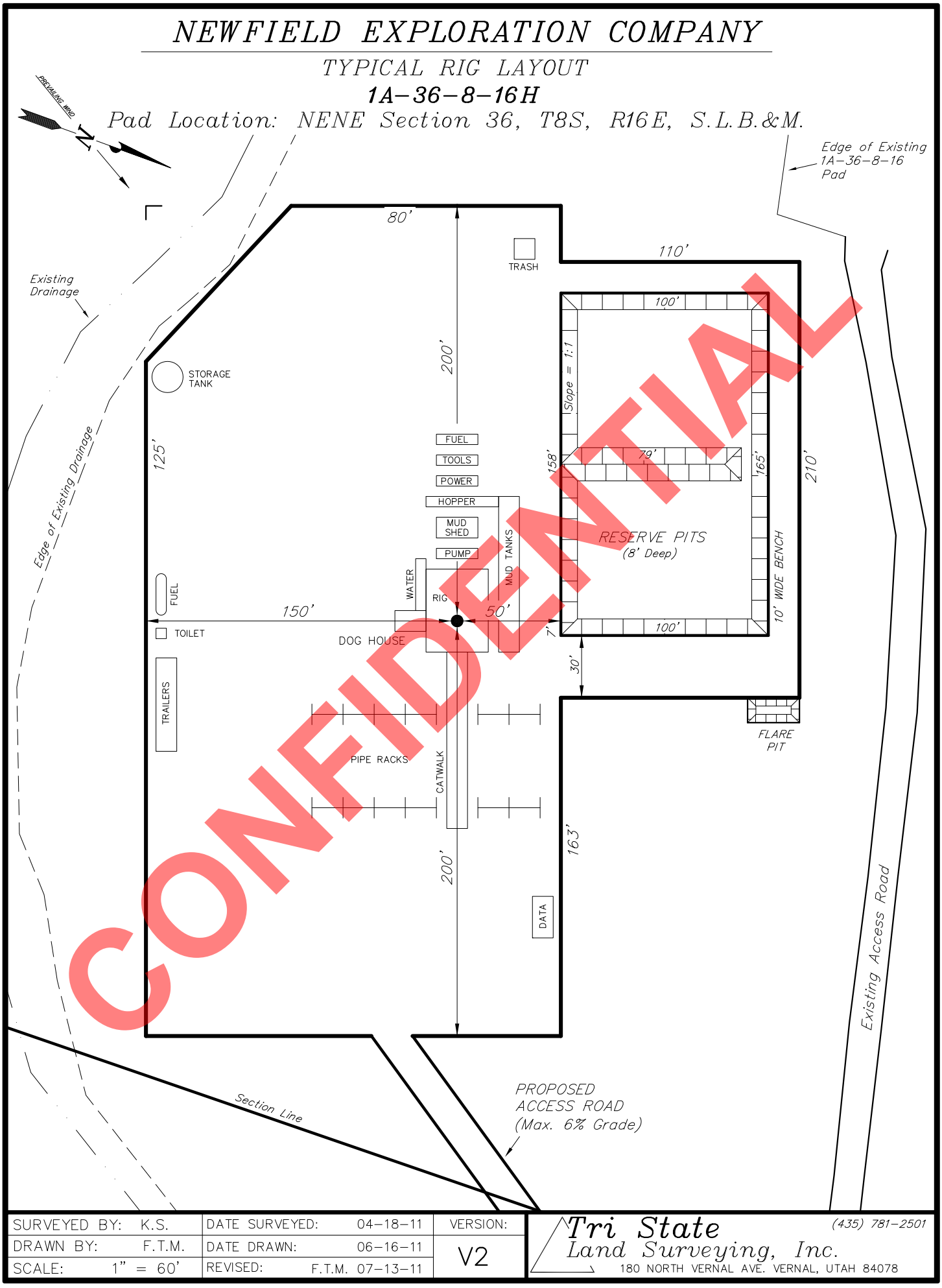
API Well Number: 43013509580000

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

1A-36-8-16H

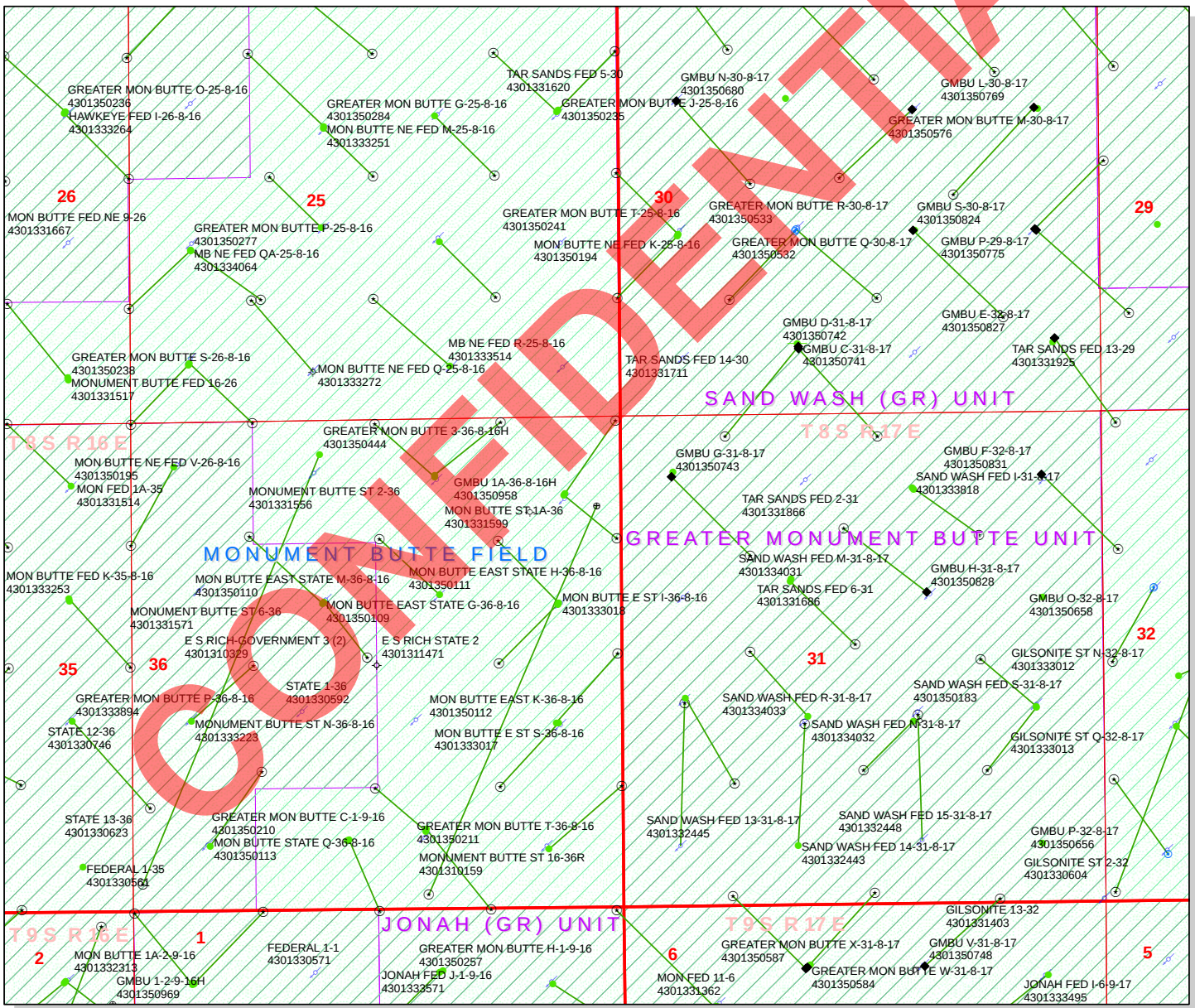
Pad Location: NENE Section 36, T8S, R16E, S.L.B.&M.



SURVEYED BY: K.S.	DATE SURVEYED: 04-18-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-16-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 07-13-11		

RECEIVED: September 14, 2011

API Well Number: 43013509580000



API Number: 4301350958

Well Name: GMBU 1A-36-8-16H

Township T0.8 . Range R1.6 . Section 36

Meridian: SLBM

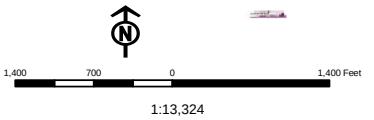
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED
Sections
Township

Wells Query
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well



1:13,324

RECEIVED: September 16, 2011

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

September 16, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50957	GMBU 2-32-8-16H	Sec 32 T08S R16E 0274 FNL 1529 FEL
		Lateral 1 Sec 32 T08S R16E 0090 FSL 1500 FWL
43-013-50958	GMBU 1A-36-8-16H	Sec 36 T08S R16E 0957 FNL 0256 FEL
		Lateral 1 Sec 36 T08S R16E 0160 FSL 2100 FEL
43-013-50959	GMBU 1-16-9-17H	Sec 16 T09S R17E 1037 FNL 0406 FEL
		Lateral 1 Sec 16 T09S R17E 0100 FSL 2600 FEL
43-013-50960	GMBU 1A-32-8-17H	Sec 32 T08S R17E 0797 FNL 0863 FEL
		Lateral 1 Sec 32 T08S R17E 0220 FSL 2420 FWL
43-013-50967	GMBU 3-32-8-17H	Sec 32 T08S R17E 1010 FNL 1735 FWL
		Lateral 1 Sec 32 T08S R17E 0100 FSL 0100 FWL
43-013-50968	GMBU 3-2-9-15H	Sec 02 T09S R15E 1107 FNL 1468 FWL
		Lateral 1 Sec 02 T09S R15E 0100 FSL 0100 FWL
43-013-50970	GMBU B-2-9-15	Sec 02 T09S R15E 0641 FNL 1945 FEL
		BHL Sec 02 T09S R15E 0080 FNL 1180 FEL

RECEIVED: September 16, 2011

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50971	GMBU C-2-9-15	Sec 02 T09S R15E 0655 FNL 1961 FEL
		BHL Sec 02 T09S R15E 0080 FNL 2635 FEL
43-013-50972	GMBU W-16-9-17	Sec 16 T09S R17E 0582 FSL 1940 FEL
		BHL Sec 16 T09S R17E 0080 FSL 2623 FEL
43-047-52011	GMBU 1-36T-8-17H	Sec 36 T08S R17E 0646 FNL 0957 FEL
		Lateral 1 Sec 36 T08S R17E 0130 FSL 2435 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.09.16 15:48:58 -06'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:9-16-11

RECEIVED: September 16, 2011

From: Jim Davis
To: Hill, Brad; Mason, Diana
CC: Bonner, Ed; Garrison, LaVonne; mcrozier@newfield.com
Date: 10/27/2011 7:48 AM
Subject: Newfield Well approvals

The following APDs have been approved by SITLA including arch and paleo clearance.

GMBU 1-16-9-17H (4301350959)
GMBU 1A-36-8-16H (4301350958)
GMBU 2-32-8-16H (4301350957)
GMBU 3-2-9-15H (4301350968)
GMBU 3-32-8-17H (4301350967)
GMBU B-2-9-15 (4301350970)
GMBU C-2-9-15 (4301350971)

Thanks.
-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

RECEIVED: October 27, 2011

API Well Number: 43013509580000

BOPE REVIEW NEWFIELD PRODUCTION COMPANY GMBU 1A-36-8-16H 43013509580000

Well Name	NEWFIELD PRODUCTION COMPANY GMBU 1A-36-8-16H 43			
String	SURF	PROD	PROD	
Casing Size(")	8.625	5.500	4.500	
Setting Depth (TVD)	300	6240	6115	
Previous Shoe Setting Depth (TVD)	0	300	6240	
Max Mud Weight (ppg)	8.3	9.0	9.0	
BOPE Proposed (psi)	0	2000	2000	
Casing Internal Yield (psi)	2950	9190	10690	
Operators Max Anticipated Pressure (psi)	2629		8.3	

Calculations	SURF String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	129	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	93	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	63	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	63	NO OK
Required Casing/BOPE Test Pressure=		300	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2920	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2171	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1547	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1613	NO Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2862	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2128	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1517	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2890	YES
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		6240	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi

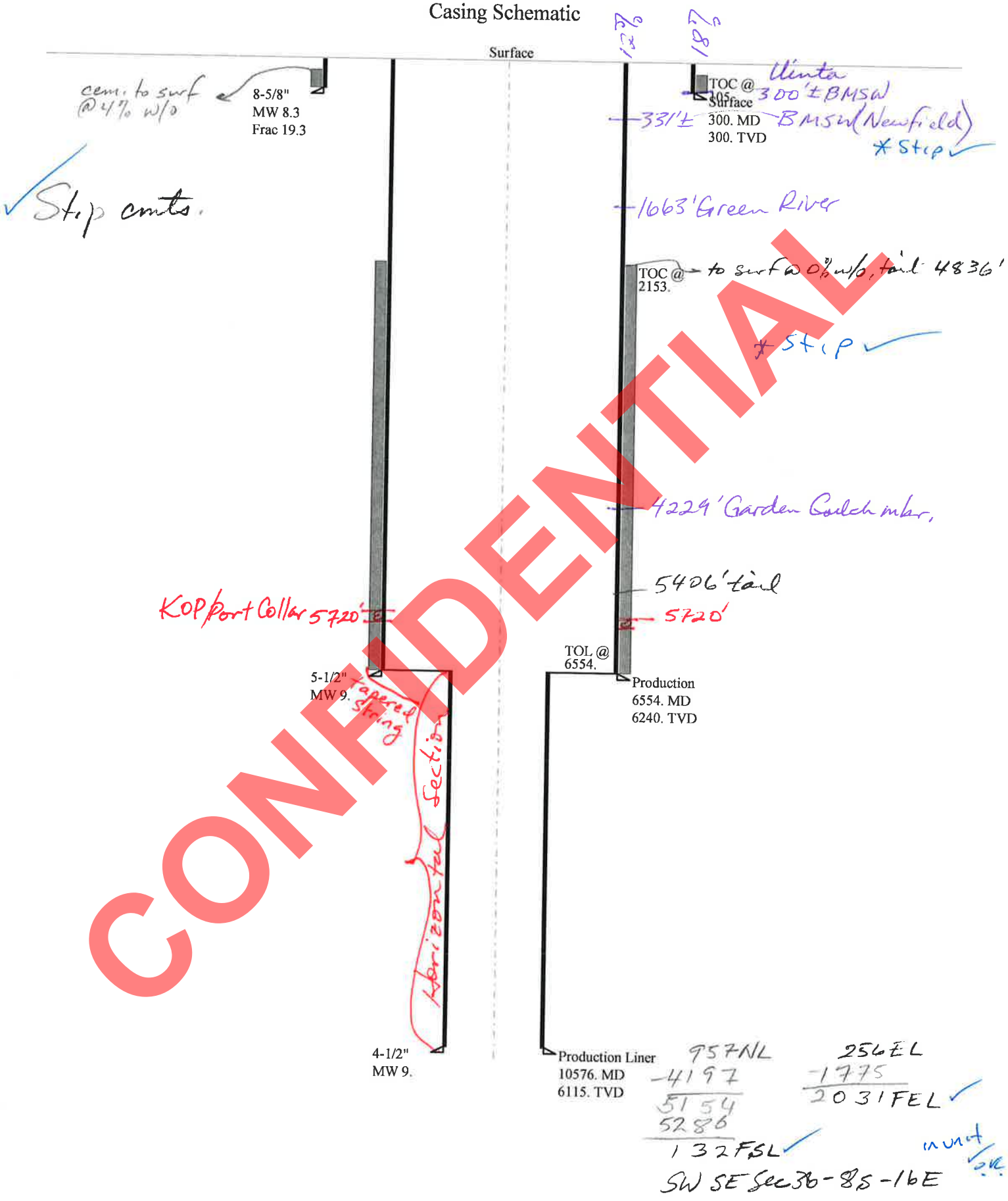
RECEIVED: December 08, 2011

***Max Pressure Allowed @ Previous Casing Shoe=**		psi *Assumes 1psi/ft frac gradient

RECEIVED: December 08, 2011

43013509580000 GMBU 1A-36-8-16H

Casing Schematic



Well name:	43013509580000 GMBU 1A-36-8-16H
Operator:	NEWFIELD PRODUCTION COMPANY
String type:	Surface
Project ID:	43-013-50958
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 264 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 300 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 262 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 78 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 105 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 6,240 ft
Next mud weight: 9.000 ppg
Next setting BHP: 2,918 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.557	300	2950	9.83	7.2	244	33.90 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: November 28,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013509580000 GMBU 1A-36-8-16H**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production
Project ID:	43-013-50958
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,545 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,918 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,390 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 161 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 2,153 ft

Directional well information:
Kick-off point 5720 ft
Departure at shoe: 537 ft
Maximum dogleg: 11.01 °/100ft
Inclination at shoe: 91.78 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	6554	5.5	20.00	N-80	LT&C	6240	6554	4.653	43473

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2918	8339	2.858	2918	9190	3.15	124.8	428	3.43 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: November 28,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 6240 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013509580000 GMBU 1A-36-8-16H**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production Liner
Project ID:	43-013-50958
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,514 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,859 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 0 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 160 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Liner top: 6,554 ft
Directional well information:
Kick-off point 5720 ft
Departure at shoe: 4557 ft
Maximum dogleg: 0 °/100ft
Inclination at shoe: 91.79 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3976	4.5	11.60	P-110	LT&C	6115	10576	3.875	19156

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2859	7580	2.651	2886	10690	3.70	-1.4	279	99.99 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: November 28,2011
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 6115 ft, a mud weight of 9 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY								
Well Name	GMBU 1A-36-8-16H								
API Number	43013509580000	**APD No**	4636	**Field/Unit**	MONUMENT BUTTE				
Location: 1/4,1/4	NENE	**Sec**	36	**Tw**	8.0S	**Rng**	16.0E	957 FNL	256 FEL
GPS Coord (UTM)		**Surface Owner**							

Participants

M. Jones (UDOGM), T. Eaton (Newfield), B. Williams, A. Hansen (UDWR), Corie Miller (Tri-State).

Regional/Local Setting & Topography

Proposed location is located approximately 11 road miles south of Myton, Utah, near the Pariette mine. Location is relatively flat with several drainages in the immediate area. Lower elevations of surrounding area create small drainages that will typically run water during storm events.

Surface Use Plan

Current Surface Use
Grazing
Agricultural

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.05	**Width** 200 **Length** 400	Onsite	

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands Y

Nearby drainages could overflow their banks in a major storm event to create flooding in the area.

Flora / Fauna

Grasses, greasewood, 4-wing, other brushes, forbs, and weeds.

Soil Type and Characteristics

sandy clay

Erosion Issues Y

Erosive upon disturbance.

Sedimentation Issues Y

Sedimentation will be carried in big storms that erode the area.

Site Stability Issues Y

storm waters could erode pad if severe.

Drainage Diverson Required? Y

Divert drainages around and away from location and access road.

Berm Required? Y

Berm location to prevent fluids from leaving or entering pad.

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	200 to 300	10	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	30	1 Sensitivity Level

Characteristics / Requirements

Dugout earthen (165 x 100 x 8) exterior to pad dimensions.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** N

Other Observations / Comments

Mark Jones	9/29/2011
Evaluator	**Date / Time**

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4636	43013509580000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**		
Well Name	GMBU 1A-36-8-16H		**Unit**	GMBU (GRRV)	
Field	MONUMENT BUTTE		**Type of Work**	DRILL	
Location	NENE 36 8S 16E S 957 FNL 256 FEL		GPS Coord (UTM)	580214E 4436951N	

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a major source of useable ground water. However, ground water in the Uinta Formation should be of sufficient quality and quantity for isolated domestic and agricultural use and should be protected. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill — **APD Evaluator**

11/1/2011 — **Date / Time**

Surface Statement of Basis

Proposed location is located approximately 11 road miles south of Myton, Utah, near the Pariette mine. Location is relatively flat with several drainages in the immediate area. Lower elevations of surrounding area create small drainages that will typically run water during storm events. The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from becoming a problem. Drainages should be diverted around and away from wellpad and access road. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit.

Mark Jones — **Onsite Evaluator**

9/29/2011 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: December 12, 2011

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/14/2011
API NO. ASSIGNED: 43013509580000
WELL NAME: GMBU 1A-36-8-16H
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)
PHONE NUMBER: 435 646-4825
CONTACT: Mandie Crozier

PROPOSED LOCATION: NENE 36 080S 160E
Permit Tech Review: ☑

SURFACE: 0957 FNL 0256 FEL
Engineering Review: ☑

BOTTOM: 0160 FSL 2100 FEL
Geology Review: ☑

COUNTY: DUCHESNE
LATITUDE: 40.07901
LONGITUDE: -110.05920
UTM SURF EASTINGS: 580214.00
NORTHINGS: 4436951.00
FIELD NAME: MONUMENT BUTTE
LEASE TYPE: 3 - State
LEASE NUMBER: ML-22061
PROPOSED PRODUCING FORMATION(S): GREEN RIVER
SURFACE OWNER: 3 - State
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 43-7478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: GMBU (GRRV)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 213-11
Effective Date: 11/30/2009
Siting: Suspends General Siting

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - ddoucet
27 - Other - bhill
28 - Other2 - bhill

RECEIVED: December 12, 2011

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: GMBU 1A-36-8-16H
API Well Number: 43013509580000
Lease Number: ML-22061
Surface Owner: STATE
Approval Date: 12/12/2011

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Cement volumes for the 8 5/8" and 5 1/2" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22061

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU 1A-36-8-16H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013509580000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0957 FNL 0256 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 36 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/12/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the Application for Permit to Drill this well.

Approved by the Utah Division of Oil, Gas and Mining

Date: November 27, 2012

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 11/26/2012

RECEIVED: Nov. 26, 2012

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013509580000

API: 43013509580000
Well Name: GMBU 1A-36-8-16H
Location: 0957 FNL 0256 FEL QTR NENE SEC 36 TWNP 080S RNG 160E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 12/12/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Mandie Crozier **Date:** 11/26/2012
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Nov. 26, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22061

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: GMBU 1A-36-8-16H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013509580000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0957 FNL 0256 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 36 Township: 08.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/12/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
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☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the Application for Permit to Drill this well.

Approved by the Utah Division of Oil, Gas and Mining

Date: November 18, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 11/12/2013

RECEIVED: Nov. 12, 2013

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013509580000

API: 43013509580000
Well Name: GMBU 1A-36-8-16H
Location: 0957 FNL 0256 FEL QTR NENE SEC 36 TWNP 080S RNG 160E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 12/12/2011

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- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Mandie Crozier **Date:** 11/12/2013
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Nov. 12, 2013

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

December 18, 2014

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052

Re: APD Rescinded – GMBU 1A-36-8-16H, Sec. 36 T.8S, R. 16E
Duchesne County, Utah API No. 43-013-50958

Ladies and Gentelemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on December 12, 2011. On November 27, 2012 and November 18, 2013, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective December 18, 2014.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
SITLA, Ed Bonner

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING